

Facilities

The National Laboratories, inc. building is located at 705 S. Barker Avenue, Evansville, Indiana. Equipment includes:

- Standard Chemical Laboratory Equipment.
- ASTM Type III water.
- Cahn Electrobalance.
- Atomic Absorption Spectrophotometer with graphite furnace, microprocessor control and interface; hard-copy readout.
- Gas Chromatography TD and FID.
- Spectrophotometers.
- Sampling pumps.
- EPA Stack Sampling Equipment.
- Sampling equipment.
- Portable power generator and equipment for on-site measurements.

Staff

Under the management of Clifford G. Shultz, Ph. D., P.E. Dr. Shultz is a member of the American Chemical Society, the American Institute of Chemists, the American Society for Testing and Materials (ASTM), the Water Pollution Control Federation, and the National Society of Professional Engineers. The staff includes qualified and experienced chemists, professional engineer and technicians.

Consultants are available for problems requiring highly specialized experience. National Laboratories, Inc. is recognized for quality, methodology and integrity of reporting.



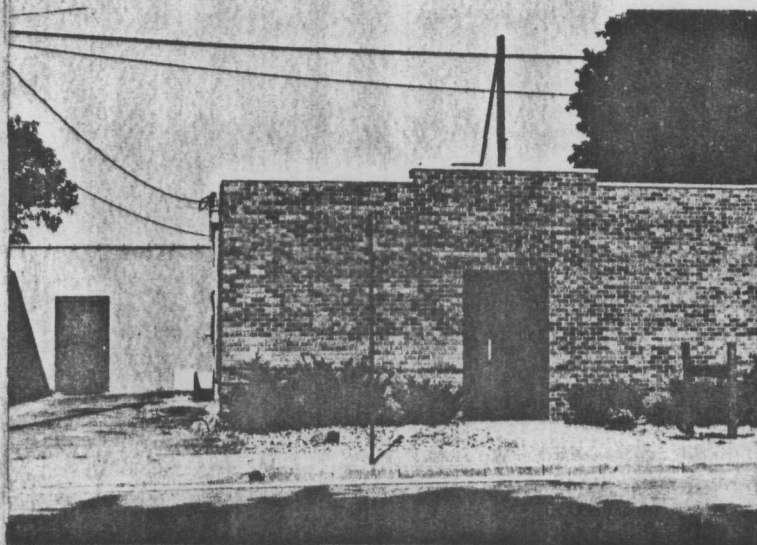
*Charlie Russell visited office 8:30 AM 1/16/84
per January 16, 1984
MC Book 1/17/84*

Quality Assurance

It is the policy of National Laboratories, inc. to adhere to prescribed principles of analytical methodology. Additional steps are routinely followed to assure precision. Each test is performed by a technician and reviewed and certified by the Quality Assurance Manager.

Partial list of clients:

Abbott Coal and Energy Co., Agrico Chemical Company, Aluminum Company of America, Amax Coal Company, Anaconda Aluminum, Babcock & Wilcox, General Electric Corporation, Big Rivers Electric Corporation, The Carborundum Company (Commercial Filters Division), Ebasco Services, Inc., Elf Aquitaine, English Coal Company, Firestone Steel Products, Flint-kote, General Tire and Rubber, Hahn, Inc., Indianapolis Power and Light, Inland Container, International Steel, Karges Furniture, Keller Crescent, George Koch Sons, Inc., Martin-Marietta, F. W. Means, Inc., Milprint Corporation, Prestolite, Old Ben Coal Company, Office of Surface Mining (U. S. Dept. of the Interior), Peerless Pottery, Inc., Radian Corp., Ralston Purina Company, Shell Oil Company, Southern Indiana Gas and Electric Co., Zenith Electronics.



National Laboratories, inc.

705 S Barker Ave. Evansville, In 47712
Telephone (812) 422-4119

NATIONAL LABORATORIES INC.

EPA Region 5 Records Ctr.



351313

Chemical Analysis Research/Development

Water quality monitoring, analysis and bacterial testing (EPA)

Priority pollutant analysis

Sewage and industrial waste analysis and treatment (EPA)

Chemical tests on foods, feeds, fertilizer, and other formulations (AOAC)

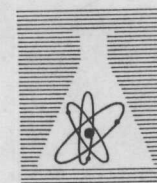
Diesel fuel and Lubricants testing (ASTM)

Stack sampling (EPA)

Solid and hazardous wastes (RCRA)

Field sampling and monitoring

Consulting and Research



CLIFFORD G. SHULTZ,
PROFESSIONAL ENGINEER

Chemical Analysis • Research and Development

National Laboratories

onal Laboratories, inc.

dependent laboratory established in 1970, Laboratories provides analysis of water and air, industrial and municipal waste, hazardous wastes, and a variety of other industrial materials. Reliable data are vital to compliance with requirements of governmental agencies and for cost-effective management.

Services include a wide range of physical and chemical tests of a variety of food-stuffs, feed supplements, fertilizers, fuels, lubricants and other materials. Services for the coal industry include Determination of moisture, ash, and environmental protection monitoring. Water and air sampling and monitoring services are provided on a scheduled basis.

Services include design work on water, sewage, and wastewater treatment systems, industrial hazard elimination and preparation of applications and permits.

Consultation and research services are available to solve a wide variety of science-related problems.

Analysis

National Laboratories, Inc. has been actively engaged in the analysis of water, air, industrial and municipal waste waters, hazardous wastes and a variety of industrial materials, since 1970, providing analytical services to industry in compliance with OSHA, NPDES, and other regulatory agency requirements. Such analyses include:

Water

- Surface waters: Rivers, harbors, streams, ponds, and run-off waters.
- Ground waters: Water wells; treated water for oil-well flooding; water quality monitoring at land fills.
- Industrial wastewaters
- Municipal wastewaters
- Treatment plant effluents

Air

- Smoke stack particulates
- Paint spray booth particulates
- Rolling mill oils
- Airborne plant dust
- Silica
- Coal dust
- EPA Methods 1 through 5.

Solid Wastes (RCRA)

- E.P. Toxicity, Corrosivity, and Reactivity tests.

Energy

- Quality analysis
- Btu of fuels
- Impurities in oils and fuels
- Particle counts
- Stability tests
- Physical properties
- Overburden analysis

Grains, Feeds, Fertilizers

- Aflatoxin screening
- Protein Content
- Nitrogen-Phosphorus-Potash

Consultations

- Resource recovery
- Water treatment
- Hazardous waste handling and treatment
- Wastewater treatment recommendations
- Treatment plant operation (Municipal and Industrial)
- Quality Control and Quality Assurance

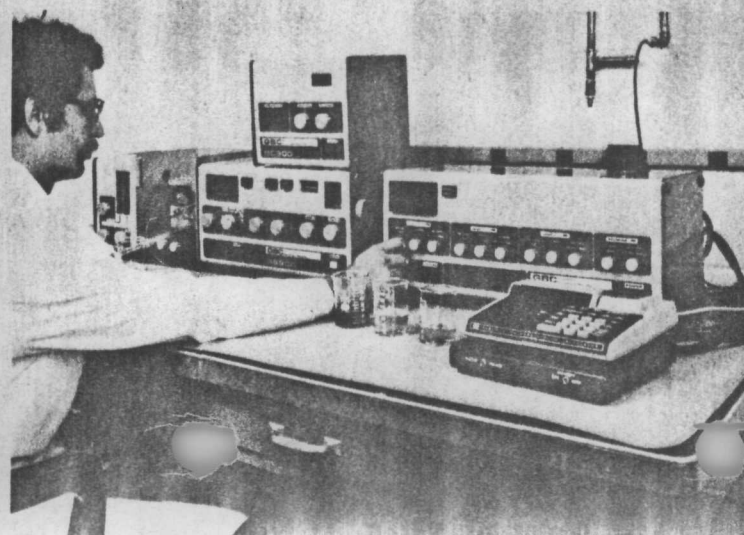
Research and Development

- Plating waste treatment (Pat. Appl. for)
- PCB Destruction
- Waste Recovery and Re-use
- Energy Recovery from Industrial Waste

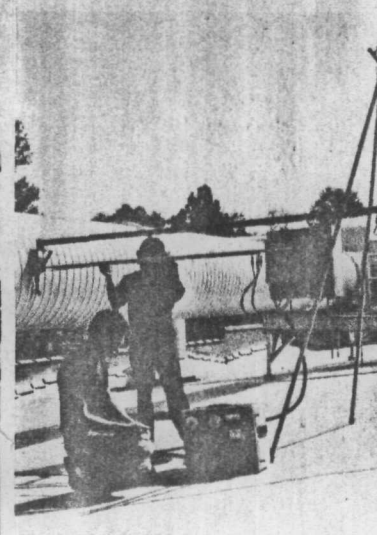
Special facilities and qualified staff.



Atomic absorption spectrophotometer.



Air stack sampling.



Surface water sampling (rivers, streams).

